CyberParallel PCI™

User's Manual

Questions?

SIIG's ONLINE SUPPORT Has The Answers!

Visit SIIG's web site at ***www.siig.com*** and click on the **ONLINE SUPPORT** icon for instant technical support

SIIG®

SIIGnificantly Better.™

MP MASTER

MA30306

Place
Postage
Here

SIIG, Inc.

Attn: Warranty Registration
6078 Stewart Avenue
Fremont, CA 94538-3152

Fold Here

Comments:

Comments (cont'd):

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

5 YEAR WARRANTY REGISTRATION CARD

Please complete and mail. This card will ensure that your warranty is properly documented in our database.

Complete Product Name: _____

Name:_____ E-Mail:_____

Address:_____

City:_____ State:_____ Zip:_____

Date of Purchase:____/____/____ Purchase Price (before tax): $_____

Purchased From:_____ of (City, State):_____

1. What features encouraged you to purchase this product? (check all that apply)
   ❒ Good price ❒ Warranty ❒ Unique features
   ❒ Good value ❒ User's manual ❒ Other_____

2. Is this the first SIIG product you have ever purchased? ❒ Yes ❒ No
   If no, what other SIIG products do you own?_____

3. System Configuration: ❒ Pentium II ❒ Pentium ❒ Pentium Pro ❒ Sub-$1,000 PC
   Manufacturer: ❒ Compaq ❒ Dell ❒ HP ❒ IBM
   ❒ PackardBell ❒ iMac ❒ Other _____

   Model_____

PRODUCT NAME	MODEL NUMBER
CyberParallel PCI	IO1839

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B
OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC NOTICE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio or TV technician for help

Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment

THE PARTY RESPONSIBLE FOR
PRODUCT COMPLIANCE
SIIG, Inc.
6078 Stewart Ave.
Fremont, CA 94538-3152

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SIIG and the SIIG logo are registered trademarks of SIIG, Inc. Microsoft, Windows, and Windows NT are registered trademarks of Microsoft Corporation. Pentium is a registered trademark of Intel Corporation. Other names used in this publication are for identification purposes only and may be trademarks of their respective companies.

03-0240D

Novenmber, 1999

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About this Manual

This manual introduces you to your *CyberParallel PCI* board. It will guide you on how to install the board for proper operation in your computer. Please save this manual for future reference.

This manual is comprised of the following sections:

Chapter 1: Introduction
Provides unpacking instructions and introduces the features of the *CyberParallel PCI*.

Chapter 2: Installation
Provides step by step hardware and software installation instructions on how to install the *CyberParallel PCI*.

Chapter 3: Technical Support
Provides instructions on how to obtain technical support and return a product.

Chapter 1
Introduction

Thank you for your purchase of the *CyberParallel PCI* board. SIIG's goal is to provide its customers with affordable, quality products, backed by prompt customer support.

The purpose of this comprehensive user's manual is to:

- introduce you to the *CyberParallel PCI*'s features and benefits
- guide you through the steps for an easy, trouble-free installation in your system
- provide technical support information in the event of a problem.

Before installing your *CyberParallel PCI*, please take the time to review this chapter for unpacking instructions and an overview of the key features of your *CyberParallel PCI*. Then refer to *Chapter 2* for hardware and software installation instructions.

1-1 Unpacking the *CyberParallel PCI*

Before installing your *CyberParallel PCI*, verify that the following items are included in the packaging carton:

- One *CyberParallel PCI* board
- One software installation diskette
- This comprehensive user's manual

Please consult your dealer if any item is damaged or missing.

1-1.1 Static Electricity Precaution

One of the routine precautions you must be aware of when working with computer components is the problem of static electricity discharge.

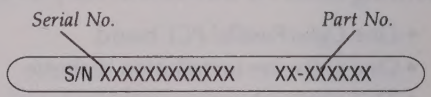
Note Leave the *CyberParallel PCI* in its static-resistant bag until you are ready to install it.

Caution Static electricity discharge may permanently damage your system. In order to avoid possible static electricity discharge during installation procedures, please follow the guidelines below:

- Discharge any static electricity build up in your body by touching a large grounded metal surface or the computer's case (if plugged in), for a few seconds.
- During installation procedures, avoid any contact with internal parts. Handle cards only by their edges.

1-1.2 Record the Serial Number

In order for SIIG's Technical Support and Return Merchandise Authorization Departments to give you prompt service (if needed), you will need the following product information. ***The serial number label is located on the side of the box and on the back of the board.***



Please take a moment to record the serial number.

Serial Number: _____

Part Number: _____

Date purchased: _____

1-2 Introducing the *CyberParallel PCI*

The *CyberParallel PCI* is a high speed PCI parallel port board. It provides a DB25 parallel port and supports data transfer rates up to 2MB/sec. It is ideal for all types of parallel port devices including iomega®/SyQuest®removal cartridge drives, printers, scanners, and CD-R/RW drives.

1-2.1 Key Features and Benefits

- Conforms to PCI v2.1 Plug-and-Play
- Conforms to IEEE 1284-1994 parallel port standard
- Full support for DOS- and Windows-based software
- Fast I/O access speed reduces CPU load and improves system performance dramatically
- IRQ sharing feature eliminates IRQ conflicts
- Single high-speed parallel port supports all types of parallel port devices including removable cartridge drives, CD-R/RW drives, printers, SuperDisk™ LS-120 drives, scanners and more
- Supports EPP, ECP(PIO mode), Bi-directional Parallel Port (BPP), and Standard Parallel Port (SPP) modes

1-2.2 System Requirements

- Pentium-class system with one available 32-bit PCI slot
- DOS/Windows 3.1x, Windows 95/98, or Windows NT

1-2.3 Board Layout

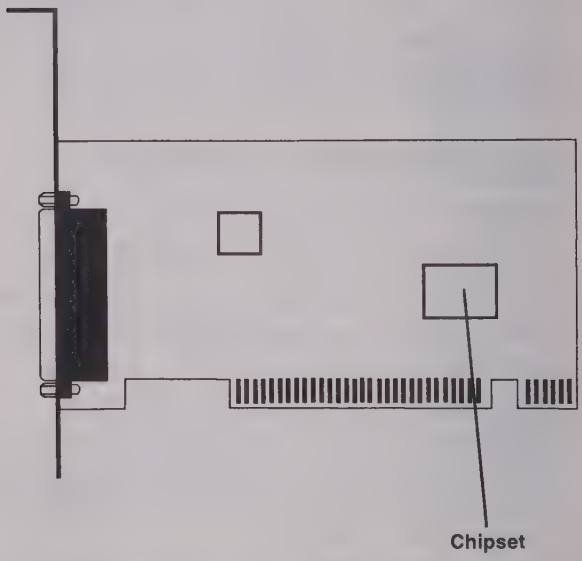


Figure 1-1. *CyberParallel PCI* Board Layout

Chapter 2
Installation

This chapter will guide you through the installation of your *CyberParallel PCI*. There are no jumpers or switches to set for this PCI Plug-n-Play board.

2-1 Hardware Installation

General instructions for installing the board are given since the design of computer chassis varies. Refer to your computer's reference manual for information on removing the computer cover.

1. Turn OFF the power to your computer and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer.
3. Remove the computer's cover by removing its mounting screws and sliding off the cover.
4. Select an available 32-bit PCI slot for the board.
5. Remove the slot bracket by unscrewing the holding screw and sliding it out. Save this screw for securing the board after it's installed.

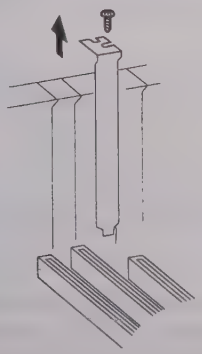


Figure 2-1. Remove the Slot Bracket

6. To install the *CyberParallel PCI*, carefully align the board's bus connector to the expansion slot on the motherboard. Push the board down firmly, but gently, until it is well seated.

   Note Hold the board by its external edges only. Try to avoid touching the components, connectors or pins.

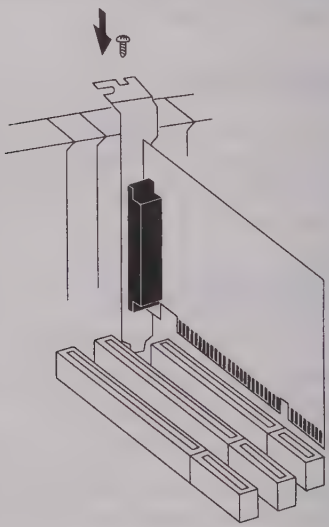


Figure 2-2. Install the *CyberParallel PCI* Board

7. Replace the slot bracket's holding screw to secure the board to the rear slot panel.
8. Replace the computer's cover.
9. Reconnect the power cord and make connection to the port.

The hardware installation is now complete. Continue to the next section for the software installation.

2-2 Software Installation

This section provides information on how to install the *CyberParallel PCI*'s drivers for the following operating systems:

Windows 95/98
Windows NT 4.0
DOS/Windows 3.1x

2-2.1 Windows 95 Driver Installation

To ensure proper installation in your system, verify the version (**4.00.950, 4.00.950B or 4.00.950C**) of Windows 95 in your system and follow the installation procedures accordingly. To verify version, go to **My Computer/Control Panel/System/General**

Follow the steps listed below to install the Windows 95 drivers:

1. When you first turn on your computer after installing the board, Windows will notify you of "New Hardware Found".
2. For version 4.00.950 user, select ***"Driver from disk provided by hardware manufacturer"*** and click on "**OK**".

   (For version 4.00.950B or 4.00.950C user, the "Update Device Driver Wizard" dialog box will appear, click on "**Next**")
3. Insert the *Driver Installation* diskette in the floppy drive and type in **a:\Win95** and click on "**OK**".

   (For version 4.00.950B or 4.00.950C, check "**Other Locations**" and type in **a:\Win95**, click on "**OK**", and then "**Finish**". From the "Insert Disk" window, click on "**OK**". When the "Copying Files" dialog box appears, type in **a:\Win95** and click on "**OK**" again.)
4. Remove the diskette and select "**Yes**" to restart the computer for the setup to take effect.

2-2.2 Windows 98 Driver Installation

Follow the steps listed below to install the Windows 98 drivers:

1. At the *Add New Hardware Wizard* windows, click on "**Next**".
2. Select the option "**Search for the best driver for your devices (Recommend)**", and click on "**Next**".
3. Select the option "**Specify the location**", and type in **a:\Win98** then click on "**Next**".
4. Click "**Next**" and then "**Finish**" respectively.
5. Remove the diskette, then select "**Yes**" to restart the computer for the setup to take effect.

To verify successful installation in Windows 95/98:

1. From the main desktop, click on *My Computer*, then double-click on *Control Panel*, *System*, and *Device Manager*.
2. Double-click on either *Ports (COM & LPT)* or *SIIG Cyber PCI* device options. **SIIG CyberParallel PCI Board** should be displayed when successfully installed. The port is ready to connect new device.

2-2.3 Windows NT 4.0 Driver Installation

Follow the steps listed below to install the Windows NT 4.0 drivers:

1 Go to **Start** and **Run**.

2. Insert the *Driver Installation* diskette in the floppy drive and type in: **A:\NT4\setup**, then click on "**OK**".

3. The "Welcome" window will appear. Click on "**Next**".

4. From the "Choose Destination Location" window, click on "**Next**".

5. From the next "Setup Complete" window, select "*Yes, I want to restart my computer now*" and click on "**Finish**".

6. Remove the diskette and restart the computer for the setup to take effect.

To verify successful installation in Windows NT 4.0:

1. Go to **Start / Setting / Control Panel**, double-click on ***SIIG Cyber PCI 20X*** device icon.

2. A new LPT number will be assigned for the parallel port when successfully installed. The board is ready to connect a printer.

Note If you plan to connect a parallel device other than a printer to the port, such as zip drive, scanner etc, please follow the next section to change the I/O address for the port to support the device.

To change the I/O address in Windows NT 4.0:

1. Go to **Start / Setting / Control Panel**, double-click on *Cyber PCI IO* device icon.
2. Highlight the LPT address and click on **Setting**.
3. Select or type in an I/O address supported by the device you would like to configure and click on **OK**. Make sure the selected I/O address does not conflict with other device in your system.
4. Select **Restart Now** for the new setup to take effect.

2-2.4 DOS/Windows 3.1x Driver Installation

Follow the steps listed below to install the drivers for DOS/ Windows 3.1x:

1. Insert *Driver Installation* diskette in the floppy drive and from the C:\> prompt, type in: **copy a:\dos*.*** and press **<Enter>**.
2. Type in: **edit autoexec.bat** and press **<Enter>**.
3. Add **C:\CB20XPC.exe** at the bottom of the autoexec.bat file.
4. Go to **File**, save the changes and exit.
5. Remove the diskette and restart the system for the new setup to take effect.

Chapter 3
Technical Support

3-1 Overview

This chapter will give you instructions on how to obtain product information, contact technical support and return defective product. This user's manual is written with easy-to-understand instructions on how to configure and install your *CyberParallel PCI* in your system. We encourage you to consult this manual as your first step for technical assistance.

There are several steps you can take should you find problems with your *CyberParallel PCI*. It is most helpful if you consult the following resources:

1. Chapter 2 of this user's manual
2. Web Site (Section 3-2)
3. Technical Support Department (Section 3-3)
4. Return Merchandise Authorization (RMA) (Section 3-4)

3-2 Web Site

Visit SIIG's Web site at ***www.siig.com*** for on-line technical support, product features, drivers updates, upgrade solutions and where-to-buy information. Your opinions of SIIG products are very important to us. Through your feedback, SIIG can continue to deliver quality, innovative products to you.

3-3 Technical Support Department

Questions? SIIG's **Online Support** has the answers! Simply visit our web site at ***www.siig.com*** and click on the **ONLINE SUPPORT** icon for instant technical support. For further assistance, you may e-mail us at **support@siig.com.**

If you need additional help, SIIG's Technical Support Specialists are available from 8:00 a.m. to 5:00 p.m. Monday through Friday, Pacific Standard Time at **(510) 353-7542.**

In order for SIIG's Technical Support to give you prompt service, you will need the following information.

Part Number: _____

Computer Configuration:

_____

_____

_____

_____

_____

Note Make sure you are prepared with the required information: part number and description of the problem, so the Technical Support Specialist can better assist you.

3-4 Return Merchandise Authorization (RMA)

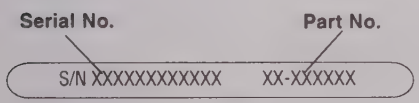
If the Technical Support Specialist determines that the product may be defective, you can return it for repair or replacement.

SIIG warrants to the original buyer of the product that the hardware is free of defects in materials and workmanship for a period of five years from the date of purchase. If your product fails to be in good working order during the warranty period, you may return it to SIIG for repair or replacement at SIIG's option.

To return the product, you need to follow these steps.

Step 1: Call SIIG's RMA Department

Call the RMA Department at **(510) 413-5333** for a Return Merchandise Authorization (RMA) number. **In order to get a RMA number, you must have your product serial number. The serial number is located on the side of the box it came in and on the back of the product.**



Step 2: Complete the RMA form

- Fill out your Return Merchandise Authorization (RMA) form, and include it in the package with your board.
- Properly pack the board for shipping. All the materials that came with the original package should be included.
- Clearly write your RMA number on the outside of the returned shipping package and on the accompanying RMA form.

SIIG will refuse to accept any shipping package, and not be responsible for a product returned without a RMA number posted on the outside of the shipping carton.

Step 3: Ship the *CyberParallel PCI*

You are responsible for the cost of shipping back to SIIG at the following address:

SIIG, Inc. RMA#_____
6078 Stewart Ave.
Fremont, CA 94538

SIIG will ship the repaired or replaced board via UPS Ground or US Mail at no cost to you.

LIMITED 5 YEAR WARRANTY

The Company warrants to the original buyer of this product that the hardware is free of defects in materials and workmanship for a period of five years from the date of purchase from a reseller or dealer. Should this product fail to be in good working order during the warranty period, the Company, at its sole option, will repair or replace the defective product with an identical product or product having similar features and functionality as determined by the Company.

If the product has been modified without written approval by the Company, or the failure is a result of misuse, abuse or misapplication as determined by the Company, the warranty is void and the Company has no obligation to repair or replace the product.

The customer is responsible for properly packing the defective product for shipment and for the cost of shipping the product back to the Company. The Company will ship the repaired or replaced product via UPS Ground or US Mail at no cost to the customer.

At the request of the customer, the Company will ship the repaired or replaced product via a faster mode of shipment. The Company will pay for the cost of the shipping to return the product to the customer UP TO THE COST OF SHIPPING VIA UPS GROUND. The customer is responsible for any shipping charges above the cost of shipping via UPS Ground. This payment must be prepaid or included with the returned product, otherwise the Company will ship the repaired product COD for the amount of the additional costs.

Before returning a product for repair or replacement, you must first obtain a Return Merchandise Authorization (RMA) number from the Company's RMA Department by calling (510) 413-5333. To verify that the product is within the five year warranty period, the customer must provide proof of purchase to the Company when requesting a return authorization. The RMA number should be clearly displayed on the outside of the returned package and on the accompanying RMA form. The Company will refuse any package without a RMA number.

Under no circumstance will the Company be liable for any direct, indirect, consequential or incidental damages arising out of the use or inability to use the Company's products. Some states do not allow the exclusion or limitation of liability for consequential or incidental damages, so the above limitations may not apply. The Company reserves the right to make modifications in both hardware and software without prior notification.

Tear off and return bottom portion.

RETURN MERCHANDISE AUTHORIZATION (RMA) FORM

RMA Number:_____ Date:____/____/____

Name:_____

Company:_____

Address:_____

City:_____ State:_____ Zip:_____

Phone Number: (_____)_____

Product Name/Model:_____ Purchase Date:____/____/____

Serial Number:_____

Problem(s) (please be specific): _____

_____

_____

_____

_____

Please check additional items that you are returning (if applicable):

☐ original package ☐ manual(s) ☐ software

☐ accessories:_____

02-0250D

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